

## **Apparatus and Method for Measuring Biologic Parameters**

This application is a continuation-in-part of U.S. Serial No. 10/420,295, filed April 22, 2003, which claims  
5 the benefit of U.S. Provisional Application Serial Number 60/374,133, filed April 22, 2002, and claims the benefit of the priority of 60/449,800, filed February 26, 2003, 60/475,470, filed June 4, 2003 and 60/497,306, filed August 25, 2003, herein incorporated in their entirety by  
10 reference.

### **FIELD OF THE INVENTION**

The present invention includes support and sensing structures positioned in a physiologic tunnel for measuring  
15 bodily functions and to manage abnormal conditions indicated by the measurements.

### **BACKGROUND OF THE INVENTION**

Interfering constituents and variables can introduce  
20 significant source of errors that prevent measured biologic parameters from being of clinical value. In order to bypass said interfering constituents and achieve undisturbed signals, invasive and semi-invasive techniques have been used. Such techniques have many drawbacks including